



183.39735PA6

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: B. TOWNSEND, et al.
Serial No.: 10/814,260
Filed: April 1, 2004
For: PROSTHETIC FOOT WITH TUNABLE PERFORMANCE
Group: 3738
Examiner: unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 & 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

August 12, 2004

Sir:

Pursuant to the duty of disclosure applicants cite the documents listed on the attached Form PTO-1449 in connection with the above-identified application. The cited documents were previously submitted in the related application serial no. 10/473,682, the earlier effective date of which is relied on under 35 U.S.C. §120 such that copies of those documents are not enclosed, 37 C.F.R. §1.98(d)(1). This Information Disclosure Statement is being filed before a first Office Action on the merits.

It is requested that the cited document be considered and made of record in the application.

The Examiner's attention is also directed to other pending U.S. applications of applicants:

IFW

U.S. application serial nos.

09/606,075

09/917,660

10/131,142

10/263,795

10/814,155

10/408,107; and also pending

international application

PCT/US03/09506.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (Case: 183.39735PA6), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP



Ronald J. Shore
Registration No. 28,577

RJS/kmh
(703) 312-6600
Attachments

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| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | ATTY. DKT. NO. 183.39735PA6 | SERIAL NO. 10/814,260 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT | |
| | | | | B. TOWNSEND ET AL. | |
| | | | | FILING DATE April 1, 2004 | GROUP 3738 |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
|------------------|-----------------|----------|------------------|-----------------|----------|-------------|
| AA | 3,335,428 | 08/15/67 | Gajdos | | | 11/02/64 |
| AB | 4,721,510 | 01/26/88 | Cooper et al. | | | 02/24/87 |
| AC | 4,822,363 | 04/18/89 | Phillips | | | 03/26/87 |
| AD | 5,066,305 | 11/19/91 | Firth | | | 10/25/88 |
| AE | 5,156,632 | 10/20/92 | Wellershaus | | | 11/08/91 |
| AF | 5,181,932 | 01/26/93 | Phillips | | | 04/13/89 |
| AG | 5,219,365 | 06/15/93 | Sabolich | | | 08/26/92 |
| AH | 5,458,656 | 10/17/95 | Phillips | | | 12/20/93 |
| AI | 5,482,513 | 01/09/96 | Wilson | | | 10/12/93 |
| AJ | 5,514,185 | 05/07/96 | Phillips | | | 01/21/94 |
| AK | 5,545,230 | 08/13/96 | Kinsinger et al. | | | 10/11/94 |
| AL | 5,571,213 | 11/05/96 | Allen | | | 08/19/94 |
| AM | 5,593,456 | 01/14/97 | Merlette | | | 01/14/97 |
| AN | 5,593,457 | 01/14/97 | Phillips | | | 09/22/95 |
| AO | 5,653,767 | 08/05/97 | Allen et al. | | | 12/12/95 |
| AP | 5,695,526 | 12/09/97 | Wilson | | | 01/31/95 |
| AQ | 5,702,488 | 12/30/97 | Wood et al. | | | 09/12/95 |
| AR | 5,725,598 | 03/10/98 | Phillips | | | 06/06/95 |
| AS | 5,728,177 | 03/17/98 | Phillips | | | 08/05/96 |
| AT | 5,728,176 | 03/17/98 | Phillips | | | 10/30/95 |
| AU | 5,800,569 | 09/01/98 | Phillips | | | 08/15/95 |
| AV | 5,824,112 | 10/20/98 | Phillips | | | 03/31/93 |
| AW | 5,897,594 | 04/27/99 | Martin et al. | | | 03/04/97 |
| AX | 5,899,944 | 05/04/99 | Phillips | | | 04/23/96 |
| AY | 5,993,488 | 11/30/99 | Phillips | | | 05/13/98 |
| AZ | 6,071,313 | 06/06/00 | Phillips | | | 05/22/98 |
| Examiner | | | | Date Considered | | |

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| Form PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DKT. NO. 183.39735PA6 | SERIAL NO. 10/814,260 |
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U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
|-------------------------|------------------------|-------------|-----------------|--------------|-----------------|--------------------|
| | AA 6,228,043 | 05/08/01 | Townsend et al. | | | 07/18/97 |
| | AB 6,270,468 | 08/07/01 | Townsend et al. | | | 06/29/00 |
| | AC 6,562,075 | 05/13/03 | Townsend et al. | | | 03/30/01 |
| | AD 5,443,522 | 08/22/95 | Hiemisch | | | 04/26/93 |
| | AE 5,443,527 | 08/22/95 | Wilson | | | 03/31/93 |
| | AF 5,766,264 | 06/16/98 | Lundt | | | 08/30/96 |
| | AG 4,892,554 | 01/09/90 | Robinson | | | 12/21/87 |
| | AH 4,959,073 | 09/25/90 | Merlette | | | 06/06/88 |
| | AI 5,376,139 | 12/27/94 | Pitkin | | | 09/21/92 |
| | AJ 5,549,714 | 08/27/96 | Phillips | | | 01/12/96 |
| | AK 5,653,768 | 08/05/97 | Kania | | | 01/21/94 |
| | AL 5,976,191 | 11/02/99 | Phillips | | | 10/08/96 |
| | AM 6,443,995 | 09/03/02 | Townsend et al. | | | 12/22/00 |
| | AN 5,800,568 | 09/01/98 | Atkinson et al. | | | 02/16/96 |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation /Abstract | |
|-------------------------|------------------------|-------------|----------------|--------------|-----------------|------------------------------|-----------|
| | | | | | | Yes | No |
| | AO FR 2 640 499 A1 | 06/90 | France | | | | |
| | AP WO 91/00070 | 01/91 | International | | | | |
| | AQ CA 2,103,341 A1 | | Canada | | | | |
| | AR | | | | | | |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|----|--|
| | AU | PCT Written Opinion from International Application No. PCT/US02/06901 |
| | AV | International Search Report from International Application No. PCT/US01/48954 |
| | AW | International Search Report (April 2002); International application no. PCT/US02/09573 |
| | AX | International Search Report (July 1998); International application no. PCT/US02/30471 |
| | AY | Atkinson et al.; Publication No. US 2002/0087216A1 |
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| | | B. TOWNSEND, et al. FILING DATE April 1, 2004 | |
| U.S. PATENT DOCUMENTS | | | |

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
|------------------|-----------------|----------|-------------------|-------|----------|-------------|
| AA | 5,509,937 | 04/23/96 | Allard et al. | | | |
| AB | 5,258,039 | 11/02/93 | Goh et al. | | | |
| AC | 5,376,141 | 12/27/94 | Phillips | | | |
| AD | 4,645,509 | 02/87 | Poggie et al. | | | |
| AE | 5,112,356 | 05/92 | Harris et al. | | | |
| AF | 5,314,499 | 05/94 | Collier Jr. | | | |
| AG | 5,776,205 | 07/98 | Phillips | | | |
| AH | 6,051,026 | 04/00 | Biedermann et al. | | | |
| AI | | | | | | |
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U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
|------------------|--------------------|----------|---------------|-------|----------|-------------|
| | AA 5,653,767 | 08/05/97 | Allen et al. | | | 12/12/95 |
| | AB 5,376,133 | 12/27/94 | Gramnas | | | 03/28/91 |
| | AC 5,695,527 | 12/09/97 | Allen | | | 12/12/95 |
| | AD 5,746,773 | 05/05/98 | Littig | | | 03/13/96 |
| | AE 5,944,760 | 08/31/99 | Christensen | | | 08/04/97 |
| | AF 6,099,572 | 08/08/00 | Mosler et al. | | | 04/22/98 |
| | AG 6,187,052 B1 | 02/13/01 | Molino et al. | | | 07/14/99 |
| | AH 6,206,934 B1 | 03/27/01 | Phillips | | | 08/21/98 |
| | AI 5,653,768 | 08/05/97 | Kania | | | 01/21/94 |
| | AJ 6,206,932 | 03/27/01 | Johnson | | | 11/24/98 |
| | AK | | | | | |
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| AU | International Search Report in corresponding PCT application No. PCT/US02/09571 dated September 27, 2002. |
| AV | International Search Report in corresponding PCT application No. PCT/US02/09589 dated September 11, 2002. |
| AW | |
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| AA | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation/Abs tract | |
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| | | | | | | Yes | No |
| AB | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| AC | Perry J. and Shanfield S., Efficiency of Dynamic Elastic Response Prosthetic Feet; Gait Initiation in Below-Knee Amputees: Analysis of Safe Function; Biomechanical Evaluation of Energy-Storing Prosthetic Feet, J. Rehabilitation Research and Development Service (Project #A517-RA), 1990, pp. 37, 38 & 44. |
| AD | Barth, D.G., Schumacher, L. and Thomas, S.S., Gait Analysis and Energy Cost of Below-Knee Amputees Wearing Six Different Prosthetic Feet, JPO: Journal of Prosthetics and Orthotics, 1992, Vol. 4, No. 2, pp. 626-638. |
| AE | Menard, M.R. and Murray D.D., Subjective and Objective Analysis of an Energy-Storing Prosthetic Foot, Journal of Prosthetics and Orthotics, 1989, Vol. 1, No. 4, pp. 173-183. |
| AF | Menard, M., Ry-Storing Prosthetic Feet, Archives of Physical Medicine and Rehabilitation, May 1992, Vol. 73, pp. 451-458. |
| AG | Prince, F., Winter, D.A. et al., Mechanical Efficiency During Gait of Adults with Transtibial Amputation: A Pilot Study Comparing the SACH, Seattle, and Golden-Ankle Prosthetic Feet, Journal of Rehabilitation Research and Development, June 1998, Vol. 35, No. 2, pp. 177-185. |
| AH | Winter, D.A., Biomechanics of Human Movement, John Wiley & Sons, Inc. 1979, pp. 61, 117-121. |
| AI | Mann, R.A. and Hagy, J.L., The Function of the Toes in Walking, Jogging and Running, J.J. B. Lippincott Company, 1979, Vol. 142, pp. 24-29. |
| AK | Perry, J., Gait Analysis: Normal and Pathological Function, SLACK Incorporated, Thorofare, NJ, 1992, Chapter 4: Ankle Foot Complex, Chapter 19: Ground Reaction Force and Vector Analysis, Chapter 21: Energy Expenditure. |
| AL | Valmassy, R.L., Clinical Biomechanics of the Lower Extremities, Mosby, 1996, Chapter 1: Lower Extremity Function and Normal Mechanics. |
| AM | Hsu, M. and Nielsen, D. et al., Physiological Measurements of Walking and Running in People with Transtibial Amputations With 3 Different Prostheses, Journal of Orthopaedic & Sports Physical Therapy, Sept. 1999; Vol. 29, No. 9, pp. 527-533. |
| AN | Macfarlane, P.A. and Nielsen, D.H. et al., Gait Comparisons for Below-Knee Amputees Using a Flex-Foot Versus a Conventional Prosthetic Foot, Journal of Prosthetics and Orthotics, 1991, Vol. 3, No. 4, pp. 526-537. |
| AO | Neilson, D.H. and Shurr, D.G. et al., Comparison of Energy Cost and Gait Efficiency During Ambulation in Below-Knee Amputees Using Different Prosthetic Feet - A Preliminary Report, Journal of Prosthetics and Orthotics, 1988, Vol. 1, No. 1, pp. 24-31. |

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| Examiner | Date Considered |
|-----------------|------------------------|

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FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation/Abs tract | |
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| | | | | | | Yes | No |
| AB | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| AC | Macfarlane, P.A. and Nielsen, D.H. et al., Perception of Walking Difficulty by Below-Knee Amputees Using a Conventional Foot Versus the Flex-Foot, Journal of Prosthetics and Orthotics, 1991, Vol. 3, No. 3, pp. 503-508. |
| AD | Childress, D. Mechanical Properties of Prosthetic and Human Feet: From Shoes to Computer Alignment, 2 nd Conference of Advanced Prosthetics, April 2002. |
| AE | Wirta, R.W. et al., Effect on Gait Using Various Prosthetic Ankle-Foot Devices, Journal of Rehabilitation Research and Development, 1991, Vol. 28, No. 2, pp. 13-24. |
| AF | Winter, D.A. and Patia A.E. et al., Biomechanical Walking Pattern Changes in the Fit and Healthy Elderly, Physical Therapy, June 1990, Vol. 70, No. 6, pp. 340/15 - 346/21. |
| AG | Ayyappa, E., Normal Human Locomotion, Part 1 : Basic Concepts and Terminology, Journal of Prosthetics and Orthotics, Winter 1997, Vol. 9, No. 1, pp. 10-17. |
| AH | Ayyappa, E., Normal Human Locomotion, Part 2: Motion, Ground-Reaction Force and Muscle Activity, Journal of Prosthetics and Orthotics, Spring 1997, Vol. 9, No. 2, pp. 49-57. |
| AI | Winter, D.A., Biomechanics and Motor Control of human Movement, University of Waterloo, John Wiley & Sons, Inc., 1990, Chapter 7. |
| AK | J.B. Saunders, et al., The Major Determinants in Normal and Pathological Gait, Journal of Bone and Joint Survey, July 1953, Vol. 35A, No. 3, pp. 543-558. |
| AL | Komi, P.V. Strength and Power in Sport, Blackwell Scientific Publications, 1992, Chapter 6B, pp. 115-129. |
| AM | McComas, A.J., Skeletal Muscle Form and Function, Human Kinetics, Champaign, IL, 1996, pp. 326-375. |
| AN | Mattes, S.J., et al., Walking Symmetry and Energy Cost in Persons with Unilateral Transtibial Amputations: Matching Prosthetic and Intact Limb Inertial Properties, Archives of Physical Medicine and Rehabilitation, May 2000, Vol. 81, pp. 561-568. |
| AO | Bojsen-Moller, F., Calcaneocuboid Joint and Stability of the Longitudinal Arch of the Foot at High and Low Gear Push Off, Journal of Anatomy, August-December 1979, Vol. 129, pp. 165-176. |
| AP | Hicks, J.H., The Mechanics of the Foot, The Plantar Aponeurosis and the Arch, Journal of Anatomy, 1954, Vol. 88, Pt. 1, pp. 25-31. |
| AQ | Brunnstrom, S. (revised by R. Dickinson), Clinical Kinesiology, F.A. Davis Company, Philadelphia, 1972, pp. 35 |
| AR | Stiehl, J., Inman's Joints of the Ankle (2 nd Ed.), Williams & Wilkins, Baltimore, MD, 1991, p. 39 |
| AS | Bateni, H., et al., Kinematic and Kinetic Variations of Below-Knee Amputee Gait, Prosthetic and Orthotic Science, 2002, Vol. 14, No. 1, pp. 2-10. |

| | |
|-----------------|------------------------|
| Examiner | Date Considered |
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|---|--|--|---------------------------------------|---------------------------------|
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U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
|------------------|------------------|-----------|-----------------|-------|----------|-------------|
| AA | 640,540 | 1/2/1900 | R.E. Daniels | | | 07/30/1898 |
| AB | 810,180 | 1/16/1906 | H.C. Wintermute | | | 05/02/1905 |
| AC | 2003/01203 54 | 06/26/03 | Doddroe, et al. | | | 01/29/03 |
| AD | 2003/00931 58 | 05/15/03 | Phillips et al. | | | 12/17/02 |
| AE | 2003/00092 38 | 01/09/03 | Whayne | | | 07/03/02 |
| AF | 2002/00872 16 | 07/04/02 | Atkinson et al. | | | 02/25/02 |
| AG | 2002/00777 06 | 06/20/02 | Phillips | | | 08/30/01 |
| AH | 2002/01160 72 | 08/22/02 | Rubie et al. | | | 02/09/01 |
| AI | 6,350,286 | 02/26/02 | Atkinson et al. | | | 08/05/99 |
| AJ | 6,290,730 | 09/18/01 | Pitkin et al. | | | 03/16/00 |
| AK | 6,241,776 | 06/05/01 | Christensen | | | 07/07/99 |
| AL | 5,181,933 | 01/26/93 | Phillips | | | 02/28/91 |
| AM | 6,406,500 | 06/18/02 | Phillips | | | 11/02/99 |
| AN | 6,527,811 | 03/04/03 | Phillips | | | 12/16/97 |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation /Abstract | |
|------------------|-----------------|----------|---------|-------|----------|-----------------------|----|
| | | | | | | Yes | No |
| AO | 2734151 | 11/22/96 | French | | | X | |
| AP | 0793949A1 | 09/10/97 | Europe | | | X | |
| AQ | 19717298C1 | 05/07/98 | Germany | | | X | |
| AR | 11-299815 | 11/02/99 | Japan | | | X | |
| AS | 9-327473 | 12/22/97 | Japan | | | X | |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| AU | |
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U.S. PATENT DOCUMENTS

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|------------------|------------------|----------|-------------------|-------|----------|-------------|
| AA | 5,509,938 | 04/23/96 | Phillips | | | 01/04/94 |
| AB | 5,290,319 | 03/01/94 | Phillips | | | 02/28/91 |
| AC | 5,486,209 | 01/23/96 | Phillips | | | 07/01/94 |
| AD | 5,509,936 | 04/23/96 | Rappoport, et al. | | | 06/30/94 |
| AE | 5,387,246 | 02/07/95 | Phillips | | | 02/12/93 |
| AF | 5,116,383 | 05/26/92 | Shorter et al. | | | 03/03/89 |
| AG | 2002/00402 49 | 04/04/02 | Phillips | | | 09/20/01 |
| AH | 6,280,479 | 08/28/01 | Phillips | | | 04/09/99 |
| AI | 6,077,301 | 06/20/00 | Pusch | | | 04/22/98 |
| AJ | 5,139,525 | 08/18/92 | Kristinsson | | | 12/23/91 |
| AK | 5,062,859 | 11/05/91 | Naeder | | | 06/11/90 |
| AL | 5,019,109 | 05/28/91 | Voisin | | | 03/09/90 |
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FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation /Abstract | |
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| | | | GROUP 3738 |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
|------------------|-----------------|----------|---------|-------|----------|-------------|
| AA | 4,994,086 | 02/19/91 | Edwards | | | 06/04/90 |
| AB | 5,507,838 | 04/16/96 | Chen | | | 02/17/94 |
| AC | | | | | | |
| AD | | | | | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation /Abstract | |
|------------------|-----------------|------|---------|-------|----------|-----------------------|----|
| | | | | | | Yes | No |
| AO | | | | | | | |
| AP | | | | | | | |
| AQ | | | | | | | |
| AR | | | | | | | |
| AS | | | | | | | |
| AT | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
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| AU | International Search Report; PCT/US03/09506; filed March 31, 2003. |
| AV | |
| AW | |
| AX | |
| AY | |
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| Form PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DKT. NO. 183.39735PA6 | SERIAL NO. 10/814,260 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | APPLICANT B. TOWNSEND, et al. | | |
| | | FILING DATE April 1, 2004 | GROUP 3738 | |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
|------------------|-----------------|----------|----------------|-------|----------|-------------|
| AA | 6,514,293 | 02/04/03 | Jang et al. | | | 10/23/00 |
| AB | 6,602,295 | 08/05/03 | Doddroe et al. | | | 02/11/00 |
| AC | | | | | | |
| AD | | | | | | |
| AE | | | | | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation /Abstract | |
|------------------|-----------------|----------|---------|-------|----------|-----------------------|----|
| | | | | | | Yes | No |
| AO | 29920434 U1 | 05/11/00 | Germany | | | | |
| AP | | | | | | | |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| Form PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DKT. NO. 183.39735PA6 | SERIAL NO. 10/814,260 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | APPLICANT B. TOWNSEND, et al. | |
| | | FILING DATE April 1, 2004 | GROUP 3738 |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
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| AA | | | | | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation /Abstract | |
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| | | | | | | Yes | No |
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| AT | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
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| AU | 2003 Ossur Product Catalog; TALUX™; pages 179-181. |
| AV | |
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| Examiner | Date Considered |
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| Form PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DKT. NO. 183.39735PA6 | SERIAL NO. 10/814,260 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | APPLICANT B. TOWNSEND, et al. | | |
| | | FILING DATE April 1, 2004 | GROUP 3738 | |

U.S. PATENT DOCUMENTS

| Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date |
|-------------------------|----|------------------------|-------------|-------------|--------------|-----------------|--------------------|
| | AA | 6,402,790 | 06/11/02 | Celebi | | | 07/20/00 |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initial | | Document Number | Date | Country | Class | Subclass | Translation /Abstract | |
|-------------------------|----|------------------------|-------------|----------------|--------------|-----------------|------------------------------|-----------|
| | | | | | | | Yes | No |
| | AO | DE 325171 C1 | 10-1920 | Germany | | | | |
| | AP | EP0 648 479 A1 | 10-1993 | Denmark | | | Abstract | |
| | AQ | WO 94/10942 | 05-1994 | PCT-WIPO | | | | |
| | AR | | | | | | | |
| | AS | | | | | | | |
| | AT | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|-----------------|----|---|
| | AU | Universal Offset Pyramid Adapters ; 2 pages |
| | AV | |
| | AW | |
| | AX | |
| | AY | |
| | AZ | |
| Examiner | | Date Considered |